

CLAIMS

What is claimed is:

1. 1. A method of dialing a telephone number comprising:
  2. a. transmitting data from a personal digital assistant device to a communication device, wherein the data includes the telephone number; and
  3. b. automatically dialing the telephone number by a dialing device.
4. 2. The method as claimed in claim 1 wherein the dialing device is integral to the communication device.
1. 3. The method as claimed in claim 1 wherein the dialing device is an external device linked to the communication device.
2. 4. The method as claimed in claim 1 further comprising verifying that a connection has been established between the personal digital assistant device and the communication device.
1. 5. The method as claimed in claim 1 further comprising analyzing compatibility of transferred data.

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1       6. The method as claimed in claim 1 further comprising sending a status message to the  
2 personal digital assistant device regarding status of data transmission.

1       7. The method as claimed in claim 1 further comprising storing the data within a dialing  
2 device memory.

1       8. The method as claimed in claim 1 further comprising storing the data within a  
2 communication device memory.

1       9. A method of dialing a telephone number comprising :  
2           a. transmitting data from a personal digital assistant device to a dialing device,  
3                   wherein the data includes the telephone number; and  
4           b. transmitting the data from the dialing device to a communication device, wherein  
5                   the telephone number is automatically dialed by the communication device.

1       10. The method as claimed in claim 9 further comprising saving the telephone number in a  
2 dialing device memory.

1       11. A system for dialing a telephone number comprising:  
2           a. a personal digital assistant device for transmitting data including the telephone  
3                   number;

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- 4           b. a dialing device capable of reception and transmission of data; and  
5           c. a communication device coupled to the dialing device for reception of the data  
6           transmitted from the dialing device.

1       12. The system as claimed in claim 11 wherein the dialing device is external to the  
2           communication device.

13. The system as claimed in claim 11 wherein the dialing device is integrated within the  
2           communication device.

14. A personal digital assistant device for automatically dialing a telephone number via a  
2           communication device comprising:  
3           a. a data communications circuit for transferring data including the telephone  
4           number to a communication device and receiving data from an external source;  
5           b. a verification circuit coupled to the data communications circuit, for verifying that  
6           a connection with the communication device has been established;  
7           d. a notification circuit coupled to the data communications circuit and the  
8           verification circuit for informing a user of a status of connection between the  
9           personal digital assistant device and the communication device; and

10           e.     a user interface coupled to the data communications circuit, the verification  
11           circuit, and the notification circuit for receiving commands and the data from the  
12           user.

1       15.   The personal digital assistant device as claimed in claim 14 further comprising a display  
2           coupled to the user interface for viewing of data input, received and transmitted.

1       16.   The personal digital assistant device as claimed in claim 14 further comprising a  
2           microprocessor coupled to the data communications circuit, the verification circuit, the  
3           notification circuit, and the user interface for execution of programmed instructions.

1       17.   The personal digital assistant device as claimed in claim 14 further comprising a data  
2           storage medium coupled to a microprocessor and the data communications circuit for  
3           storing received data.

1       18.   The personal digital assistant device as claimed in claim 14 wherein the data  
2           communications circuit transfers data via an infra-red connection.

1       19.   The personal digital assistant device as claimed in claim 14 wherein the data  
2           communications circuit transfers data via a wired connection.

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- 1 20. The personal digital assistant device as claimed in claim 14 wherein the data  
2 communications circuit transfers data via a wireless connection.

1 21. A communication device comprising:  
2     a. a microprocessor configured to execute programmed instructions;  
3     b. a dialing device coupled to the microprocessor to automatically dial a telephone  
4                 number;  
5     c. a data receiving circuit coupled to the microprocessor and to the dialing device for  
6                 receiving data from a personal digital assistant device; and  
7     d. a first data transmitting circuit coupled to the microprocessor for transmitting  
8                 data, and status and error messages to the personal digital assistant device.

2 22. The communication device as claimed in claim 21 wherein the dialing device is  
integrated within the communication device.

1 23. The communication device as claimed in claim 21 further comprising a user interface  
coupled to the microprocessor and the dialing device for inputting telephone numbers to  
be dialed by the dialing device.

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- 1 30. The communication device as claimed in claim 21 wherein the communication device is a  
2 telephone.

1 31. The communication device as claimed in claim 21 wherein the communication device is a  
2 wireless telephone.

1 32. The communication device as claimed in claim 21 wherein the communication device is a  
2 two-way pager.

1 33. The communication device as claimed in claim 21 wherein the communication device is a  
2 video phone.

1 34. A dialing device comprising:  
2 a. a microprocessor configured to execute programmed instructions;  
3 b. a data receiving circuit coupled to the microprocessor for receiving data from a  
4 communication device;  
5 c. a dialing mechanism coupled to the microprocessor and the data receiving circuit  
6 for simulating unique touch-pad dial-tones and triggering a dial-tone at the  
7 communication device; and

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- 1       35. The dialing device as claimed in claim 34 further comprising a data storage medium  
2                   coupled to the microprocessor, the dialing mechanism and the data receiving circuit for  
3                   storing received data.

36. The dialing device as claimed in claim 34 further comprising a display coupled to the microprocessor for viewing of data input, received and transmitted.

37. The dialing device as claimed in claim 34 further comprising a verification circuit coupled to the data receiving circuit and the microprocessor for verifying whether a connection with a communication device has been established.

- 1       38. The dialing device as claimed in claim 34 further comprising a data analyzing circuit  
2                  coupled to the data receiving circuit and the microprocessor for analyzing received data  
3                  from an external source to determine whether the received data will permit a call to be  
4                  placed.

- 1       39. The dialing device as claimed in claim 34 further comprising a second data receiving  
2                   circuit coupled to the microprocessor for receiving data from an external source.

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